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Name-	Date-	Period

Observing Monsoon Weather Patterns with TRMM Data Student Capture Sheet

Objective: <u>Using satellite data, identify and describe what a monsoon weather pattern is and what causes i</u>
How do satellites like TRMM collect precipitation data? As you learn about the instruments used write down any facts you think are important.
Worldwide Precipitation: What patterns do you notice in the data?
Precipitation in the Eastern U.S.: What patterns do you notice in the data?
Precipitation in India: What patterns do you notice in the data?
What is a monsoon?
Describe what is important to know about what causes winds.

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Surface Temperature in India: What patterns do you notice in the data?						
What causes monsoons? Make notes from the videos and from the class discussion about what causes the monsoon weather pattern. You may also want to draw in some diagrams to help with						
your explanation. Be prepared to use the information from this capture sheet for a well-written						
description about monsoons and observing them from satellites						
Space for diagrams and drawings:						



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Explain what you've learned about monsoons! Write a well-written paragraph describing why India has the weather pattern it does. Be sure to include:

- What the weather pattern is called (monsoon!) and what the weather would be like if you lived there
- Why a monsoon weather pattern occurs (hint: be sure you talk about seasons and changes in temperature of the land and ocean)
- The patterns you saw in the satellite data for precipitation and surface temperature over India, and how that relates to the reason for monsoons

Jse	How a sate	ic on the b	ack of thi	s paper to	help you	make sur	e you inclu	de everything